

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	cell same cultur\$ and ((reproduction or reproductive ) with (rate or yield)) same ((natural near2 selection)or (storing strains))	US-PGPUB; USPAT	ADJ	ON	2010/10/21 17:41
L2	51	cell same cultur\$ same ((natural near2 selection)or (storing strains))	US-PGPUB; USPAT	ADJ	ON	2010/10/21 17:45
L3	34	cell same cultur\$ and ((reproduction or reproductive ) with (rate or yield)) and ((natural near2 selection)or (storing strains))	US-PGPUB; USPAT	ADJ	ON	2010/10/21 17:51
L4	37	cell same cultur\$ and ((reproduction or reproductive ) with (rate or yield)) and ((natural near2 selection)or (storing strains))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/21 17:51
L5	100	cell same (cultur\$ or growth) same (flexible or elastomeric) near (tube or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/21 17:55
L6	4	cell same (cultur\$ or growth) same (flexible or elastomeric) near (tube or pipe) and 435/293.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/21 17:59
L7	2	cell same (cultur\$ or growth) same (flexible or elastomeric) near (tube or pipe) and 435/303.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/21 18:01

L8	9	cell same (cultur\$ or growth) same (flexible or elastomeric) near (tube or pipe) and 435/286.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/21 18:01
L9	5	medium same (cultur\$ or growth) same (flexible or elastomeric) near (tube or pipe) and 435/286.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/21 18:02
L10	0	medium same (cultur\$ or growth) same (flexible or elastomeric) near (tube or pipe) and 435/293.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/21 18:02
L11	82	medium same (cultur\$ or growth) same (flexible or elastomeric) near (tube or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/21 18:03
S1	1	"6066497".pn.	US-PGPUB; USPAT	ADJ	ON	2010/06/09 19:36
S2	20	("3540700"   "3724747"   "3732149"   "3740321"   "3827943"   "3847749"   "3875000"   "4373029"   "4650766"   "4717668"   "5037754"). PN. OR ("6066497"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/09 19:42
S3	17	eydes.in.	US-PGPUB; USPAT	ADJ	ON	2010/06/09 20:20
S4	39	eudes.in.	US-PGPUB; USPAT	ADJ	ON	2010/06/09 20:20
S5	50	( "20070037276" "85" "6863900" "74" "5928945" "77" "6287832" "77" "6372431" "77" "20080103428" "77" "5728576" "76" "5776721" "76" "5556765" "75" "6008010" "75" "6306403" "75" "6316257" "75" "6337070" "75"	US-PGPUB; USPAT	OR	ON	2010/06/10 12:54

		"6383739" "75" "6458814" "75" "6475501" "75" "6720178" "75" "7198940" "75" "7645610" "75" "7655465" "75" "20020146816" "75" "20030133918" "75" "20040013651" "75" "20040018620" "75" "20040033554" "75" "20050032208" "75" "20050272147" "75" "20070020610" "75" "20070160582" "75" "20080293090" "75" "20090298173" "75" "20100086936" "75" "5811094" "74" "5837539" "74" "6087113" "74" "4296205" "74" "5197985" "74" "5512480" "74" "5744361" "74" "5766950" "74" "5962323" "74" "6255559" "74" "6274791" "74" "6365405" "74" "6368854" "74" "6372210" "74" "6383805" "74" "6403343" "74" "6472212" "74" "6541024" "74").pn.				
S6	0	435/298.2.ccls and ((cell with culture) or (cell with grow)) same (tube or tubing or pipe)	US-PGPUB; USPAT	OR	ON	2010/06/10 14:14
S7	29	435/298.2.ccls. and ((cell with culture) or (cell with grow)) same (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:15
S8	60	435/286.5.ccls. and ((cell with culture) or (cell with grow)) same (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:21
S9	55	435/303.1-303.3.ccls. and ((cell with culture) or (cell with grow)) same (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:34

S10	0	435/293.1.ccls. and ((cell with culture) or (cell with grow)) same (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:38
S11	48	435/304.1.ccls. and ((cell with culture) or (cell with grow)) same (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:39
S12	0	435/293.1.ccls. and ((cell with culture) or (cell with growing)) same (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:53
S13	95	435/304.1.ccls. and ((cell with culture) or (cell with grow)) and (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:55
S14	0	435/293.1.ccls. and ((cell with culture) or (cell with growing)) and (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:55
S15	0	435/293.1.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:56
S16	236	435/293.1.ccls.	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:58
S17	106	435/293.1.ccls. and ((cell with culture) or (cell with growing)) and (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:58
S18	67	435/293.1.ccls. and ((cell with culture) or (cell with growing)) same (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 14:59
S19	197	435/289.1.ccls. and ((cell with culture) or (cell with growing)) same (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 15:04
S20	0	435/289.2.ccls. and ((cell with culture) or (cell with growing)) same (tube or tubing or pipe)	US-PGPUB; USPAT	ADJ	ON	2010/06/10 16:38
S21	27342	((cell with culture) or (cell with growing)) same (tube or tubing or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/10 16:39

S22	140	((cell with culture) or (cell with growing)) same (tube or tubing or pipe) same (clamp )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/10 16:39
S23	175	((cell same culture) or (cell with growing)) same (tube or tubing or pipe) same (clamp )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/10 16:54
S24	2	((cell same culture) or (cell with growing)) same (tube or tubing or pipe) same (clamp or cooks)	EPO; JPO	ADJ	ON	2010/06/10 16:59
S25	2	((cell with culture) or (cell with growing)) same (tube or tubing or pipe) same (clamp or cooks)	EPO; JPO	ADJ	ON	2010/06/10 17:00
S26	150	((cell with culture) or (cell with growing)) same (tube or tubing or pipe) same (clamp or cooks)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/10 17:00
S27	22	("3102082"   "3257072"   "3946780"   "4059486"   "4132594"   "4507114"   "4632244"   "4717668"). PN. OR ("5017490"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/10 17:52
S28	19	("3102082"). URPN.	USPAT	ADJ	ON	2010/06/10 17:56
S29	18	("2371208"   "2686754"   "2732663"   "3102082"   "3186917"   "3955317"   "4519984"   "4868123"). PN. OR ("5534417"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/10 18:17
S30	0	(culture or grow)cell and continous with fiber	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/14 09:18
S31	476	(culture or grow)cell same fiber	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/14 09:19
S32	147	(culture or grow)cell with fiber	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/14 09:19

S33	2	"3821087".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/14 10:07
S34	42	bioreactor with pressure same regulator	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/14 16:12
S35	1	"4686189".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 09:24
S36	306	magnetic with stir\$ bar and bioreactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 13:53
S37	0	magnetic with stir\$ bar and bioreactor and magnetic rotor	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 13:54
S38	0	magnetic with stir\$ bar and bioreactor and magnetic rotor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/15 13:55
S39	4	magnetic with stir\$ bar and bioreactor and magnetic with rotor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/06/15 13:55
S40	44	magnetic with stir\$ bar same bioreactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 13:56
S41	42	magnetic with stir\$ bar same bioreactor and (mixing or stirring or agitation)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 13:58
S42	10	(bioreactor or cell with culture) same micro \$cavity	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 15:13
S43	0	(bioreactor or cell with culture) same micro \$gavity	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 15:13
S44	0	(bioreactor or cell with culture) and micro \$gavity	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 15:13
S45	760	(bioreactor or cell with culture) and (gravit\$ force)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 15:14
S46	103	( bioreactor or cell with culture) same gravit\$ force	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 15:19
S47	119	( bioreactor or cell with (culture or grow\$)) same gravit\$ force	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 15:22

S48	1050	( bioreactor or cell with (culture or grow\$)) and gravit\$ force	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 15:49
S49	94	( bioreactor or cell with (culture or grow\$)) and (gravit\$ force) with (chamber or enviroment)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 15:49
S50	1315	( bioreactor or cell with (culture or grow\$)) same (emitter or raido wave or light waves or x \$rays or sound wave or radioactive field)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 16:02
S51	496	( bioreactor or cell with (culture or grow\$)) with (emitter or raido wave or light waves or x\$rays or sound wave or radioactive field)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 16:04
S52	317	( bioreactor or cell with (culture or grow\$)) with (emitter or raido wave or light waves or x\$rays or sound wave or radioactive field) and @ay <= "2004"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 16:04
S53	259	( bioreactor or cell with (culture or grow\$)) with (emitter or raido wave or light waves or x\$rays or sound wave or radioactive field) and @ay <= "2004" and @py < "2006"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 16:05
S54	3	( bioreactor ) with (emitter or raido wave or light waves or x\$rays or sound wave or radioactive field) and @ay <= "2004" and @py < "2006"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 16:16
S55	3	( bioreactor ) same ( raido wave or light waves or x\$rays or sound wave or radioactive field) and @ay <= "2004" and @py < "2006"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/15 16:18

S56	335	( cell with (growth or culture) ) same ( raido wave or light waves or x \$rays or sound wave or radioactive field) and @ay <="2004" and @py < "2006"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/16 10:20
S57	232	( cell with (growth or culture) ) same ( raido wave or light waves or x \$rays or sound wave or radioactive field) and @ay <="2004" and @py < "2004"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/16 11:07
S58	221	( cell with (growth or culture) ) same ( raido wave or light waves or x \$rays or radioactive field) and @ay <="2004" and @py < "2004"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/16 11:09
S59	3	( cell with (growth or culture) ) same ( applying with gravit\$ with force)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/16 11:30
S60	65	( cell with (growth or culture) ) and ( applying with gravit\$ with force)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/16 11:44
S61	42	(eudes).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/06/16 15:04
S62	2	(tube with flexible)same cells and upstream and growth near2 chamber and translucent and transparent	US-PGPUB; USPAT	ADJ	ON	2010/10/14 21:35
S63	2	(tube with flexible)same cells and upstream and growth near2 chamber and translucent and transparent and stirring bar	US-PGPUB; USPAT	ADJ	ON	2010/10/14 21:38
S64	1	(tube with flexible)same cells and upstream and growth near2 chamber and translucent and transparent and emitter	US-PGPUB; USPAT	ADJ	ON	2010/10/14 21:39

S65	0	( "5928945" "99" "5181382" "77" "3887436" "98" "4366646" "98" "4868124" "98" "4999307" "98" "5017490" "98" "5288631" "98" "5350080" "98" "5362642" "98" "5556765" "98" "5614412" "98" "5698413" "98" "5928936" "98" "6046806" "98" "6458814" "98" "6720178" "98" "7270996" "98" "20020055166" "98" "20020146817" "98" "20050186671" "98" "20080032398" "98" "20080220501" "98" "20090111180" "98" "4043903" "81" "4473970" "81" "4630394" "81" "4897359" "81" "4968624" "81" "4973558" "81" "5008197" "81" "5362397" "81" "5426037" "81" "5441873" "81" "5455176" "81" "5478464" "81" "5501960" "81" "5736398" "81" "5756457" "81" "5780294" "81" "5817509" "81" "5863792" "81" "5882922" "81" "6001585" "81" "6066497" "81" "7198940" "81" "7247470" "81" "20020146816" "81" "20030168403" "81" "20050112549" "81"). pn.	US-PGPUB; USPAT	ADJ	ON	2010/10/19 15:25
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S66	50	( "5928945" "99" "5181382" "77" "3887436" "98" "4366646" "98" "4868124" "98" "4999307" "98" "5017490" "98" "5288631" "98" "5350080" "98" "5362642" "98" "5556765" "98" "5614412" "98" "5698413" "98" "5928936" "98" "6046806" "98" "6458814" "98" "6720178" "98" "7270996" "98" "20020055166" "98" "20020146817" "98" "20050186671" "98" "20080032398" "98" "20080220501" "98" "20090111180" "98" "4043903" "81" "4473970" "81" "4630394" "81" "4897359" "81" "4968624" "81" "4973558" "81" "5008197" "81" "5362397" "81" "5426037" "81" "5441873" "81" "5455176" "81" "5478464" "81" "5501960" "81" "5736398" "81" "5756457" "81" "5780294" "81" "5817509" "81" "5863792" "81" "5882922" "81" "6001585" "81" "6066497" "81" "7198940" "81" "7247470" "81" "20020146816" "81" "20030168403" "81" "20050112549" "81"). pn.	US-PGPUB; USPAT	OR	ON	2010/10/19 15:26
S67	12	("5017490").URPN.	USPAT	ADJ	ON	2010/10/19 17:56

S68	132	cell (culture or growth) same (tilt or tilted or tilting )	US-PGPUB; USPAT	ADJ	ON	2010/10/20 18:06
S69	15	cell (culture or growth) with (container or bag) with agitation	US-PGPUB; USPAT	ADJ	ON	2010/10/20 18:14
S70	2206	cell (culture or growth) with (container or bag)	US-PGPUB; USPAT	ADJ	ON	2010/10/20 18:16
S71	738	cell (culture or growth) with ( bag)	US-PGPUB; USPAT	ADJ	ON	2010/10/20 18:16
S72	577	cell (culture ) with ( bag)	US-PGPUB; USPAT	ADJ	ON	2010/10/20 18:17
S73	1	"5071760".pn.	US-PGPUB; USPAT	ADJ	ON	2010/10/20 18:18
S74	9	("20030167038"   "5609574"   "5638812"   "5683640"   "5857998"   "6183450"   "6547760"   "6955661"   "6958059"). PN.	US-PGPUB; USPAT	ADJ	ON	2010/10/20 19:05
S75	2	("5525305"   "6066497").PN.	US-PGPUB; USPAT	ADJ	ON	2010/10/20 19:07
S76	2	cell with cultur\$ same natural selection and rate with reproduction	US-PGPUB; USPAT	ADJ	ON	2010/10/20 19:08
S77	35	cell with cultur\$ same natural selection	US-PGPUB; USPAT	ADJ	ON	2010/10/20 19:08
S78	42	cell with cultur\$ same natural selection	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/20 19:08
S79	0	cell with culture same transparent same turbidimeter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/20 22:52
S80	0	cell with culture same transparent and turbidimeter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/20 22:52

S81	19	cell with culture and transparent and turbidimeter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/20 22:52
S82	5	cell with culture and transparent same turbidimeter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/10/20 22:52

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